

Abstract

A method for producing bores in workpieces of electrically conductive material, in particular injection ports (11) in injection nozzles (10) is disclosed, in which method, by means of an erosion wire (12) forming an electrode, material in the workpiece forming the counterelectrode is removed in a targeted way by spark erosion. To produce bores of different cross-sectional shapes and/or a varying cross-sectional area over the length of the hole, the erosion wire (12) is actively excited to a defined vibration, and the form of vibration is established by targeted variation of the vibration excitation in accordance with the desired bore hole shape. A preferred apparatus for performing the method has a fastening unit (13), which receives the end (122) of the erosion wire (12) and which is driven by two actuators (14, 15) to execute a separate oscillating displacement along an x axis and a y axis (Fig. 1).